

REMARKS

The present amendment is submitted in response to the outstanding Office Action dated September 12, 2002. In view of the foregoing amendments and the comments which follow reconsideration and allowance are respectively requested.

Claims 1-23 are pending, claims 1, 6, 10, 11, 13, 15, 16, and 22 having been amended, and claim 5 has been cancelled.

In paragraph 2 of the Office Action on page 2, claims 10 and 16 were rejected under 35 U.S.C. § 112, second paragraph. In response, claims 10 and 16 have been amended to provide proper antecedent basis for “the signals.”

In paragraph 4 of the Office Action on page 3, claims 1, 5-6, 10, 15-16., 17, and 21 were rejected under U.S.C. 102(e) as allegedly being anticipated by Naiff.

Claim 1 has been amended to include the limitations of claim 5, and claim 5 has been cancelled without prejudice. In particular, claim 1 has been amended to recite that the card is coupled to an external antenna system, and that a DC source external to the card powers the antenna system through a connector on the card. The office action argues that “inherently, the DC source external to the card powers the antenna system.” However, original claim 5, and now claim 1, recites that the card had a connector and that a DC source external to the card powers the antenna **through the connector on the card**. There is no teaching in Naiff of providing the power from a DC source external to the card to an antenna via a connector on the card. Therefore, Applicants respectfully submit that amended claim 1 and dependent claims 2-4 are not anticipated by Naiff.

Claim 6 has been rewritten in independent form to include the limitations of claim 1. Applicant submits that claim 6 is not anticipated by Naiff. Claim 6 recites that “the modulation circuitry is coupled to convey the radio frequency signals to the antenna system via the connector.” While Naiff shows an antenna in Fig. 4, Naiff does not teach conveying radio frequency signals to the antenna. Rather, the antenna receives signals solely from the head end of the satellite television broadcasting system. Naiff does not teach using the antenna to transmit

signals from the PC. The transceiver 116 referenced in col. 9, lines 20-27 of the specification in the office action receives signals from the television and the PC (col. 9, lines 20-22). In view of the lack of any teaching of using the antenna to transmit signals in the Naiff reference, Applicants submit that claim 6 is not anticipated by Naiff.

Claim 10 depends from claim 1, and therefore, Applicants submit that claim 10 is not anticipated for the same reasons set forth with regard to claim 1.

Claim 15 has been amended to recite that the step of "transmitting the radio frequency signal from the card" is to an antenna responsive to the data. As discussed above, Naiff does not teach transmitting signals to the antenna from the card in the PC, but rather only receiving signals from the antenna. Therefore, Applicants submit that claim 15 is not anticipated by Naiff.

Claims 16, 17 and 21 depend from claim 15 and therefore, Applicants submit that claims 16, 17, and 21 are not anticipated by Naiff for the same reasons set forth with regard to claim 15.

In paragraph 6 of the Office Action on page 5, claims 2-4 were rejected under U.S.C. 103 (a) as allegedly been unpatentable over Naiff in view of Cirineo.

Claims 2-4 depend from claim 1. Applicants submit that Cirineo does not cure the deficiencies of Naiff, and therefore even if the teaching of the references could be combined, claims 2-4 would not have been obvious to one of ordinary skill in the art at the time of the invention in view of the resulting combination.

In paragraph 7 of the Office Action on page 7, claims 7 and 18 were rejected under U.S.C. 103 (a) as allegedly been unpatentable over Naiff.

The Office Action asserts that Naiff discloses "a transmitter card." Applicant respectfully disagrees. As discussed previously with regard to the rejection under 35 U.S.C. §102(e), Naiff does not teach or suggest using the card 40 to send signals to the antenna for transmission upstream. The card 40 of Naiff is a receiver card. Claims 7 and 18 depend from claims 1 and 15, respectively. Consequently, Applicants submit that claims 7 and 18 would not have been obvious to one of ordinary skill in the art at the time of the invention in view of Naiff for the same reasons set forth with regard to claims 1 and 15 above.

In paragraph 8 of the Office Action on page 8, claims 8 and 19 were rejected under U.S.C. 103 (a) as allegedly been unpatentable over Naiff in view of Block.

Block is directed to providing selective data broadcast receiver addressability. Claims 8 and 19 depend from claims 1 and 15, respectively. Block does not cure the deficiencies of Naiff, and therefore, Applicants submit that claims 8 and 19 would not have been obvious to one of ordinary skill in the art at the time of the invention in view of Naiff and Block for the same reasons set forth with regard to claims 1 and 15 above.

In paragraph 9 of the Office Action on page 9, claims 9, 11-14, 20 and 22-23 were rejected under U.S.C. 103 (a) as allegedly been unpatentable over Naiff in view of Goldman et al.

Claims 9 and 20 depend from claims 1 and 15, respectively, and Applicants submit that Goldman et al. does not cure the deficiencies of Naiff. Therefore Applicants submit that claims 9 and 20 would not have been obvious to one of ordinary skill in the art at the time of the invention in view of Naiff and Goldman et al. for the same reasons set forth with regard to claims 1 and 15.

Claims 11 and 13 have been amended to recite "an antenna connected said circuit board, wherein said antenna transmits RF signals received from said circuit board." Goldman et al. is directed to a front loading computer/bus extender. Applicants submit that Goldman does not cure the deficiencies of Naiff and therefore claims 11 and 13 would not have been obvious to one of ordinary skill in the art at the time of the invention in view of Naiff and Goldman et al.

Claims 12 and 14 depend from claims 11 and 13, respectively, and therefore, Applicants submit that claims 12 and 14 would not have been obvious to one of ordinary skill in the art at the time of the invention for the same reasons set forth with regard to claims 11 and 13.

Finally, similar to claim 6 discussed above, Claim 22 has been amended to recite "transmitting radio frequency signals from the transmitter card **to an antenna** responsive to data from the bus." Naiff does not teach conveying radio frequency signals to the antenna. The antenna of Naiff receives signals solely from the head end of the satellite television broadcasting system and there is no teaching or suggestion for using the antenna to transmit signals from the

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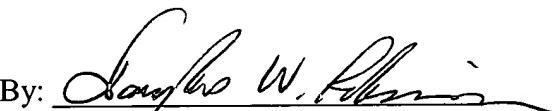
PC. In view of the lack of any teaching of using the antenna to transmit signals in the Naiff reference, Applicants submit that claim 22 as amended would not have been obvious to one of ordinary skill in the art at the time of the invention in view of Naiff and Goldman et al. Claim 23 depends from claim 22 and Applicants submit that claim 23 would not have been obvious for the same reasons as set forth with regard to claim 22.

All rejections having been addressed, Applicants submit that the application is now in condition for allowance, and a Notice to that effect is earnestly solicited.

Applicants hereby petition for any fees required to maintain the pendency of this case, except for the Issue Fee, and such fee is to be charged to Deposit Account No. 19-0733.

If for any reason the Examiner is unable to allow the application on the next Office Action and feels that an interview would be helpful to resolve any remaining issue, the Examiner is respectfully requested to contact the undersigned attorney for the purpose of arranging such an interview.

Respectfully submitted,

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